

JAVA.IO.BYTEARRAYINPUTSTREAM CLASS

http://www.tutorialspoint.com/java/io/java_io_bytearrayinputstream.htm

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Introduction

The **java.util.ByteArrayInputStream** class contains an internal buffer that contains bytes that may be read from the stream. An internal counter keeps track of the next byte to be supplied by the read method. Following are the important points about ByteArrayInputStream:

- Closing a ByteArrayInputStream has no effect.
- The methods in this class can be called after the stream has been closed without generating an IOException.

Class declaration

Following is the declaration for **java.util.ByteArrayInputStream** class:

```
public class ByteArrayInputStream
    extends InputStream
```

Field

Following are the fields for **java.util.ByteArrayInputStream** class:

- **protected byte[] buf** -- This is an array of bytes that was provided by the creator of the stream.
- **protected int count** -- This is the index one greater than the last valid character in the input stream buffer.
- **protected int mark** -- This is the currently marked position in the stream.
- **protected int pos** -- This is the index of the next character to read from the input stream buffer.

Class constructors

S.N.	Constructor & Description
1	ByteArrayInputStream(byte[] buf) This creates a ByteArrayInputStream so that it uses buf as its buffer array.
2	ByteArrayInputStream(byte[] buf, int offset, int length) This creates ByteArrayInputStream that uses buf as its buffer array.

Class methods

S.N.	Method & Description
1	<u>int available()</u> This method returns the number of remaining bytes that can be read (or skipped over) from this input stream.
2	<u>void close()</u>

	Closing a ByteArrayInputStream has no effect.
3	<u>void mark(int readAheadLimit)</u> This method set the current marked position in the stream.
4	<u>boolean markSupported()</u> This method tests if this InputStream supports mark/reset.
5	<u>int read()</u> This method reads the next byte of data from this input stream.
6	<u>int read(byte[] b, int off, int len)</u> This method reads up to <i>len</i> bytes of data into an array of bytes from this input stream.
7	<u>void reset()</u> This method resets the buffer to the marked position.
8	<u>long skip(long n)</u> This method skips <i>n</i> bytes of input from this input stream.

Methods inherited

This class inherits methods from the following classes:

- java.util.InputStream
- java.util.Object